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Supplementary Table 1: Full Gleason Group distribution for randomised and treatment choice cohorts

Cohort	AM	RP	RT
Gleason group	n (%)	n (%)	n (%)
Randomised	N=628	N=488	N=491
1	503 (80)	366 (75)	370 (75)
2	95 (15)	95 (19)	79 (16)
3	21 (3.3)	17 (3.5)	27 (5.5)
4	8 (1.3)	8 (1.6)	11 (2.2)
5	1 (0.16)	2 (0.41)	4 (0.81)
Treatment choice	N=507	N=262	N=189
1	417 (82)	186 (71)	123 (65)
2	73 (14)	58 (22)	52 (28)
3	15 (3.0)	9 (3.4)	7 (3.7)
4	2 (0.39)	7 (2.7)	5 (2.6)
5	0	2 (0.76)	2 (1.1)

Supplementary Table 2: Event counts (rates per 1000 person-years) by treatment received group and Gleason grade group

	Treatment received group		
	AM	RP	RT
	N=920	N=552	N=493
Gleason Grade Group 1	8757 person-years	5260 person-years	4795 person-years
Prostate cancer death	8 (0.9)	1 (0.2)	3 (0.6)
Prostate cancer metastases or death	31 (3.5)	5 (1.0)	9 (1.9)
Non-curative hormone therapy	48 (5.5)	9 (1.7)	14 (2.9)
<i>None of the above</i>	865	540	479
	N=168	N=153	N=131
Gleason Grade Group 2	1500 person-years	1341 person-years	1196 person-years
Prostate cancer death	8 (5.3)	3 (2.2)	1 (0.8)
Prostate cancer metastases or death	24 (16)	6 (4.5)	7 (5.9)
Non-curative hormone therapy	23 (15)	13 (9.7)	13 (11)
<i>None of the above</i>	136	137	118
	N=47	N=45	N=56
Gleason Grade Group 3-5	379 person-years	426 person-years	504 person-years
Prostate cancer death	5 (13)	1 (2.3)	1 (2.0)
Prostate cancer metastases or death	9 (24)	7 (16)	2 (3.7)
Non-curative hormone therapy	12 (32)	11 (26)	9 (18)

None of the above

32

33

47

Supplementary Table 3: EPIC item: One or more pads per day in the past 4 weeks

	AM		RP		RT		p-value
	n/N	(%)	n/N	(%)	n/N	(%)	
Baseline	0/563	(0)	3/354	(0.84)	0/312	(0)	
6 months	2/717	(0.28)	272/492	(55)	6/448	(1.3)	
12 months	4/740	(0.54)	164/508	(32)	7/460	(1.5)	
24 months	23/828	(2.8)	134/562	(24)	12/504	(2.4)	
36 months	29/901	(3.2)	143/609	(23)	10/544	(1.8)	
48 months	45/942	(4.8)	122/618	(20)	12/567	(2.1)	
60 months	48/970	(4.9)	123/619	(20)	13/589	(2.2)	
72 months	66/948	(7.0)	127/619	(21)	13/567	(2.3)	<0.001

Supplementary Table 4: ICSmaleSF nocturia item: twice or more per night

	AM		RP		RT		p-value
	n/N	(%)	n/N	(%)	n/N	(%)	
Baseline	201/985	(20)	146/650	(22)	114/581	(20)	
6 months	236/971	(24)	225/646	(35)	388/598	(65)	
12 months	223/981	(23)	168/645	(26)	217/596	(36)	
24 months	275/978	(28)	150/645	(23)	193/606	(32)	
36 months	304/995	(31)	158/644	(25)	190/586	(32)	
48 months	320/984	(33)	160/648	(25)	193/589	(33)	
60 months	347/982	(35)	147/637	(23)	214/595	(36)	
72 months	363/968	(38)	156/635	(25)	198/576	(34)	<0.001

Supplementary Table 5: EPIC item: Erections firm enough for intercourse

	AM		RP		RT		p-value
	n/N	(%)	n/N	(%)	n/N	(%)	
Baseline	370/548	(68)	229/345	(66)	196/312	(63)	
6 months	415/698	(59)	25/490	(5.1)	81/439	(18)	
12 months	433/716	(60)	28/502	(5.6)	154/450	(34)	
24 months	437/807	(54)	73/552	(13)	159/491	(32)	
36 months	436/882	(49)	86/600	(14)	179/533	(34)	
48 months	397/918	(43)	93/624	(15)	173/555	(31)	
60 months	374/943	(40)	99/625	(16)	166/584	(28)	
72 months	325/938	(35)	93/624	(15)	162/566	(29)	<0.001

Supplementary Table 6: EPIC item: Bloody stools about half the time or more frequently

	AM		RP		RT		p-value
	n/N	(%)	n/N	(%)	n/N	(%)	
Baseline	7/559	(1.3)	3/356	(0.84)	4/314	(1.3)	
6 months	9/722	(1.2)	3/495	(0.61)	16/451	(3.5)	
12 months	8/738	(1.1)	2/511	(0.39)	17/462	(3.7)	
24 months	4/834	(0.48)	4/570	(0.70)	36/505	(7.1)	
36 months	8/906	(0.88)	7/612	(1.1)	44/546	(8.1)	
48 months	12/953	(1.3)	6/630	(1.0)	43/569	(7.6)	
60 months	16/980	(1.6)	6/639	(0.94)	46/595	(7.7)	
72 months	11/968	(1.1)	10/644	(1.6)	34/574	(5.9)	<0.001